For Your Records and Warranty Assistance
For reference, also attach your receipt or a copy of your receipt to the manual.

_____
Model Name

_____
Model No.

_____
Date Purchased

_____
Where Purchased

Type 7 Models

Owner's Guide and Installation Manual

English

Español

SINCE 1886 Hunter®

Form# 45084-01
20120117
©2012 Hunter Fan Co.

Welcome

Your new Hunter® ceiling fan is an addition to your home or office that will provide comfort and performance for many years. This installation and operation manual gives you complete instructions for installing and operating your fan.

We are proud of our work. We appreciate the opportunity to supply you with the best ceiling fan available anywhere in the world.

Before installing your fan, for your records and warranty assistance, record information from the carton and Hunter nameplate label (located on the top of the fan motor housing).

Cautions and Warnings

- **READ THIS ENTIRE MANUAL CAREFULLY BEFORE BEGINNING INSTALLATION. SAVE THESE INSTRUCTIONS.**
- Use only Hunter replacement parts.
- To reduce the risk of personal injury, attach the fan directly to the support structure of the building according to these instructions, and use only the hardware supplied.
- To avoid possible electrical shock, before installing your fan, disconnect the power by turning off the circuit breakers to the outlet box and associated wall switch location. If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.
- All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, use a qualified electrician.
- To reduce the risk of personal injury, do not bend the blade attachment system when installing, balancing, or cleaning the fan. Never insert foreign objects between rotating fan blades.
- To reduce the risk of fire, electrical shock, or motor damage, do not use a solid-state speed control with this fan. Use only Hunter speed controls, which are solid state.
- This product conforms to UL STD 507 and is certified to STD C22.2 No.113
- Wash your hands after your fan installation is complete.

Table Of Contents

1 • Getting Ready 6

2 • Installing the Hanger Bracket 7

3 • Assembling and Hanging the Fan . . . 8

5 •Wiring the Fan 10

6 • Installing the Canopy and Canopy Trim Ring 11

7 • Assembling the Blades. 12

8 • Installing the Switch Housing 13

9 • Assembling the Remote Control and Mounting the Cradle 14

10 • Operating and Cleaning Your Ceiling Fan 15

11 • Troubleshooting 16

© 2012 Hunter Fan Company

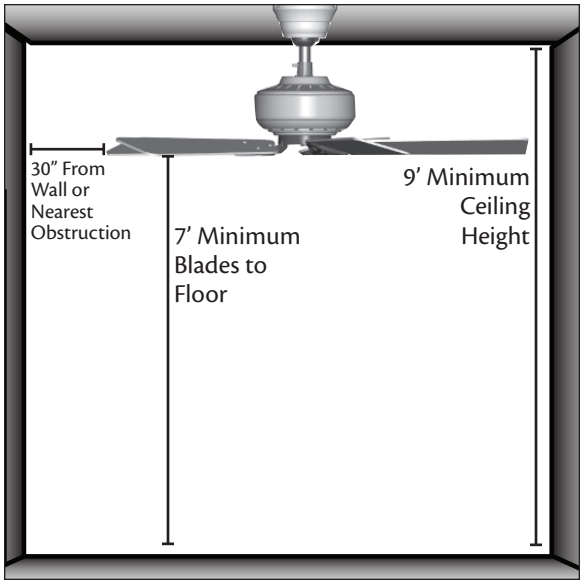
Preparing the Fan Site

Step 1 - Choose the Fan Site

Proper ceiling fan location and attachment to the building structure are essential for safety, reliable operation, maximum efficiency, and energy savings.

Choose a fan site where:

- No object can come in contact with the rotating fan blades during normal operation.
- The fan blades are at least 7 feet above the floor and the ceiling is at least 9 feet high.
- The fan blades have no obstructions to airflow, such as walls or posts, within 30 inches of the fan blade tips.
- The fan is directly below a joist or support brace that will hold the outlet box and the full weight of the fan.



Checklist for Existing Fan Site

If you want to use an existing fan site, complete the following checklist to determine if the site is acceptable and safe for your new Hunter fan. If you cannot check off every item, prepare a new fan site as described on this page.

Fan Support System

- **Fan attaches directly to building structure.**
- Fan support system will hold full weight of the fan and light kit.

Ceiling Hole

- The outlet box clearance hole is directly below the joist or support brace.

Outlet Box

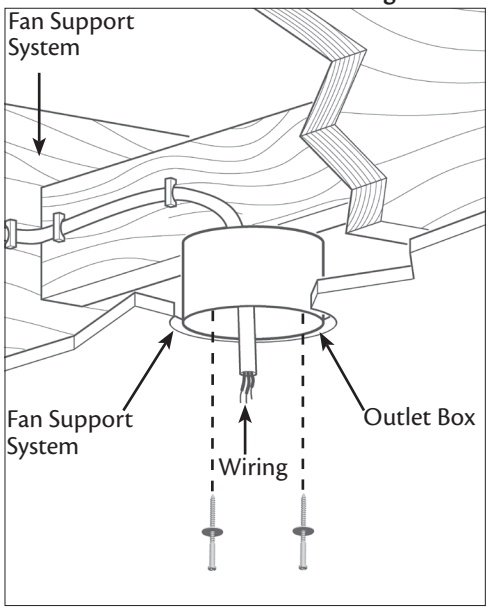
- The outlet box is an UL-approved octagonal 4" x 1-1/2" outlet box (or as specified by the support brace manufacturer).
- The outlet box is secured to the joist or support brace by wood screws and washers through the inner holes of outlet box.
- The outer holes of the outlet box are aligned with joist or support brace.
- The bottom of the outlet box is recessed a minimum of 1/16" into ceiling.

Wiring

- The electrical cable is secured to outlet box by an approved connector.
- Six inches of lead wires extend from outlet box.

If your existing fan site is suitable, skip ahead to Section **2 • Installing the Ceiling Plate.**

Suitable Existing Fan Site



Preparing the Fan Site (continued)

Step 2 - Cut the Ceiling Hole

2-1. Locate the site for the ceiling hole directly below the joist or support brace that will hold the outlet box and fan.

2-2. Cut a 4" diameter hole through the drywall or plaster of the ceiling. You will use the hole to install the support brace and outlet box.

Step 3 - Install a Support Brace, If Necessary

Determine if there is a ceiling joist directly above the ceiling hole. If the joist is there, determine if it is positioned to allow you to recess the outlet box a minimum of 1/16" into the ceiling. If NOT, install a support brace as follows:

3-1. Attach a 2" x 4" support brace between two joists. Position it to allow you to recess the bottom of the outlet box a minimum of 1/16" into the ceiling.

3-2. Check the support brace to ensure it will support the full weight of the fan and light kit.

Step 4 - Install the Outlet Box

4-1. Obtain a UL-approved octagonal 4" x 1-1/2" outlet box, plus two #8 x 1-1/2" wood screws and washers, available from any hardware store or electrical supply house.

4-2. Orient the outlet box so that both the inner and outer holes in the box align with the joist or support brace.

4-3. Drill pilot holes no larger than the minor diameter of the wood screws (5/64") through the inner holes of the outlet box.

4-4. Attach the outlet box directly to the support brace or joist with two #8 x 1-1/2" wood screws and washers. Th e bottom of the outlet box must be recessed a minimum of 1/16" into the ceiling.

Step 5 - Prepare the Wiring

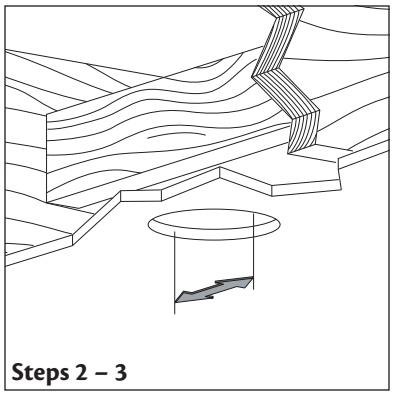
5-1. Make sure the circuit breakers to the fan supply line leads and associated wall switch location are turned off . If you cannot lock the circuit breakers in the off position, securely fasten a prominent warning device, such as a tag, to the service panel.

5-2. Thread the fan supply line through the outlet box so that the fan supply line extends at least 6" beyond the box.

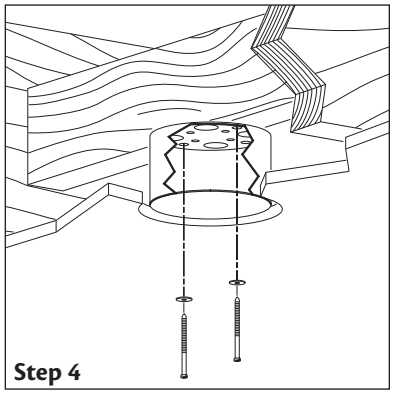
5-3. Attach the fan supply line to the outlet box with an approved connector, available at any hardware store or electrical supply house.

5-4. Make certain the wiring meets all national and local standards and ANSI/NFPA 70.

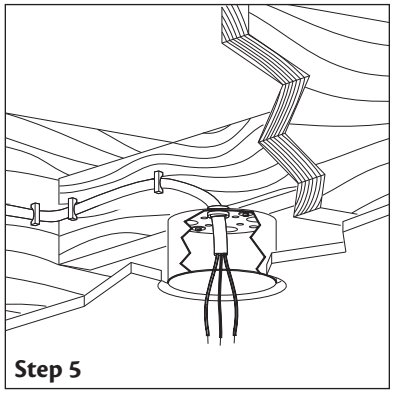
You have now successfully prepared your ceiling fan site. For instructions to install your ceiling fan, go to your fan manual and continue with Section **2 • Installing the Ceiling Plate.**



Steps 2 – 3



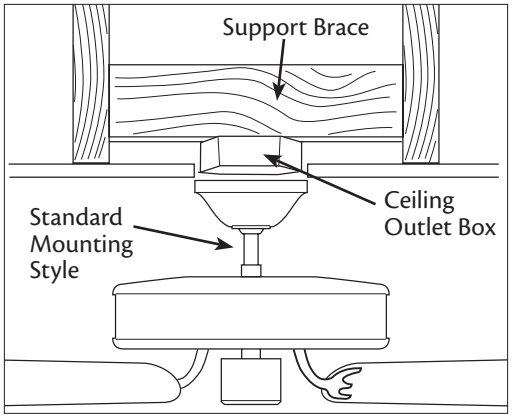
Step 4



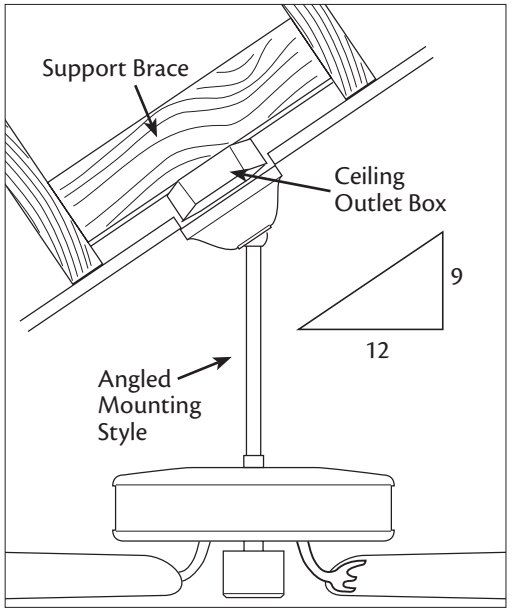
Step 5

⚠ **CAUTION:** All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, use a qualified electrician.

Installer's Choice and Optional Accessories



Standard Mounting hangs from the ceiling by a downrod (included).



Angled Mounting recommended for a vaulted or angled ceiling

Understanding Mounting and Installer's Choice®

Hunter's patented 2-position mounting system provides you maximum installation flexibility and ease. You can install your Hunter fan in one of two ways, depending on ceiling height and your preference: Standard or Angled mounting. The steps in this manual include instructions for both Installer's Choice mounting methods.

Considering Optional Accessories

Consider using Hunter's optional accessories, including a wall-mounted or remote speed control. To install and use the accessories, follow the instructions included with each product. For quiet and optimum performance of your Hunter fan, use only Hunter speed controls.

For ceilings higher than 9 feet, you can purchase Hunter extension downrods. All Hunter fans use sturdy 3/4" diameter pipe to assure stability and wobble-free performance.

⚠ **CAUTION:** To reduce the risk of personal injury, attach the fan directly to the support structure of the building according to these instructions, and use only the hardware supplied.

1 • Getting Ready

To install a ceiling fan, be sure you can do the following:

- Locate the ceiling joist or other suitable support in ceiling.
- Drill holes for and install wood screws.
- Identify and connect electrical wires.
- Lift 40 pounds.

If you need help installing the fan, your Hunter fan dealer can direct you to a licensed installer or electrician.

Gathering the Tools

You will need the following tools for installing the fan:

- Electric drill with 9/64" bit
- Keyhole saw
- 2' x 4' support brace
- UL-approved octagonal 4" x 1-1/2" outlet box
- Two #8 x 1-1/2" wood screws and washers
- Approved connector for electrical wire
- Standard screwdriver (magnetic tip recommended)
- Phillips-head screwdriver (magnetic tip recommended)
- Wrench or pliers
- Ladder (height dependent upon installation site)

Installing Multiple Fans?
If you are installing more than one fan, keep the fan blades and blade irons (if applicable) in sets, as they were shipped.

Checking Your Fan Parts

Carefully unpack your fan to avoid damage to the fan parts. Refer to the included Parts Guide. Check for any shipping damage to the motor or fan blades. If any parts are missing or damaged, contact your Hunter dealer or call Hunter Technical Support Department at 888-830-1326 (In Canada, call 866-268-1936).

2 • Installing the Hanger Bracket

2-1. Drill two pilot holes into the wood support structure through the outermost holes in the outlet box. The pilot holes should be 9/64" in diameter.

Note: Your fan comes with four pre-installed neoprene noise isolators.

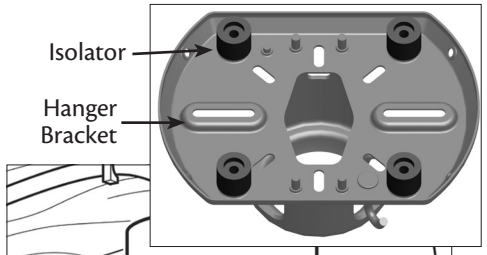
2-2. Thread the lead wires from the outlet box down through the hole in the middle of the hanger bracket.

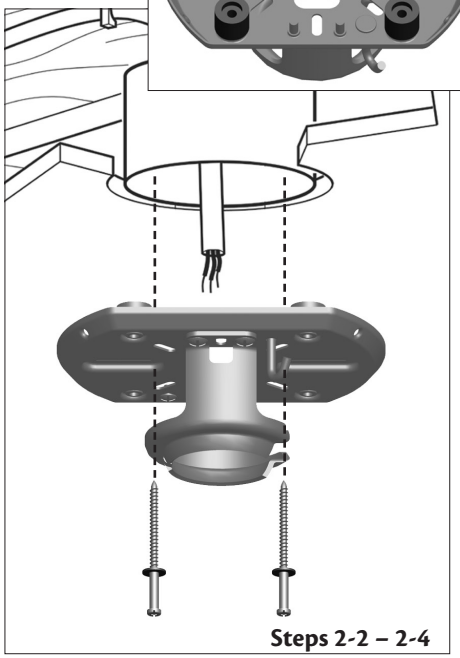
2-3. Align the slotted holes in the hanger bracket with the pilot holes you drilled in the wood support structure. For proper alignment use slotted holes directly across from each other. If you are installing the fan on an **ANGLED** ceiling, be sure to orient the hanger bracket as shown in Illustration 2-3 (left or right view).

Note: The isolators should be flush against the ceiling.

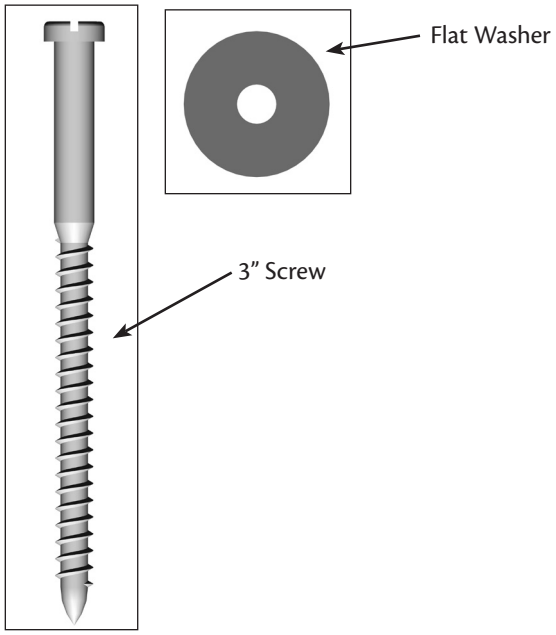
2-4. Place a flat washer on each of the two 3" screws and pass the screws through the slotted holes in the hanger bracket into the pilot holes you drilled.

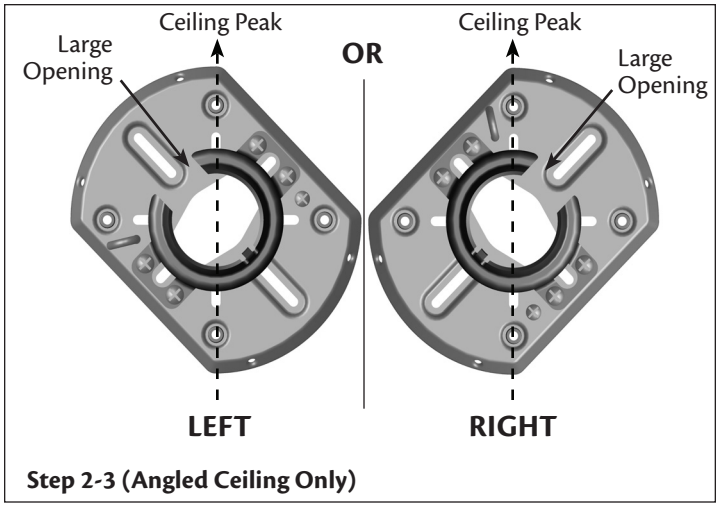
Tighten the screws into the 9/64" pilot holes; do not use lubricants on the screws. Do not over tighten.





Steps 2-2 – 2-4





Step 2-3 (Angled Ceiling Only)

3 • Assembling and Hanging the Fan

3-1. To assemble fan to hang down from a flat or angled ceiling, place the canopy and canopy trim ring around the adapter so that they rest on the fan assembly.

3-2. Feed the wires from the fan through the downrod.

Note: Make sure all the wires are on the same side of the metal dowel pin inside the downrod.

3-3. Loosen the square head setscrew on the adapter to install the pipe and ball assembly. **Note:** When the pipe and ball assembly is fully installed, 2-3 threads on the pipe will still be visible; this is normal. Securely retighten the setscrew with a wrench or pliers.

⚠ **CAUTION:** The adapter has a special coating on the threads. Do not remove this coating; the coating prevents the downrod from unscrewing. Once assembled, do not remove the downrod.

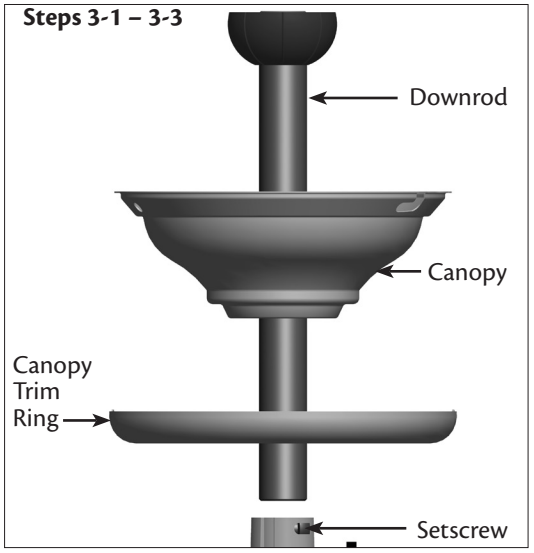
⚠ **WARNING:** Do not carry or lift fan by canopy.

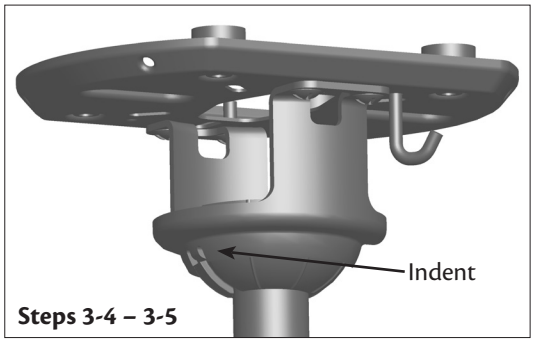
3-4. Raise the fan and place the ball into the hanger bracket.

3-5. Align the notch on the ball with the indent in the hanger bracket. (Rotate the fan until you hear the notch pop into place.)

Go to **4 • Wiring the Fan**.

⚠ **WARNING:** Fan may fall if not assembled as directed in these installation instructions.





4 • Securing Fan to Secondary Support System

4-1. Loosen the two nuts on the wire clamp. Slide the clamp open.

4-2. Insert the end of the braided cable through the ceiling plate and one of the holes in the outlet box into the ceiling.

4-3. Access the support brace in the ceiling. You may not be able to do this from below the ceiling, depending on your installation site.

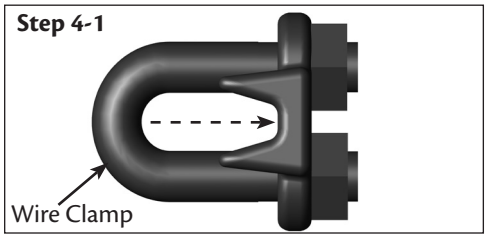
4-4. Thread the end of the cable up through the wire clamp.

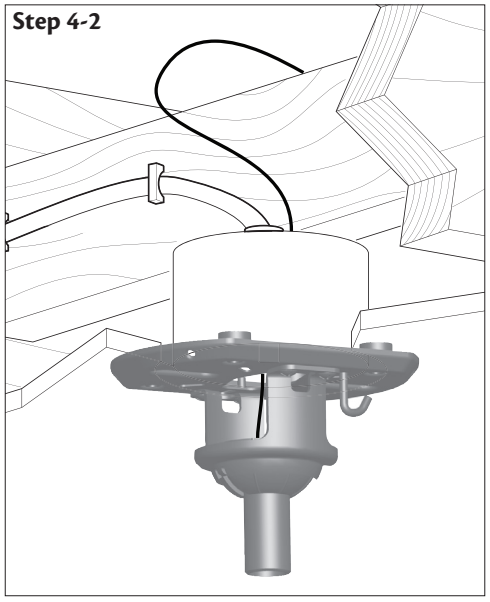
4-5. Wrap the braided cable around the support brace once, creating a complete circle. Thread the end of the cable through the bottom of the clamp again so the excess cable hangs out the top.

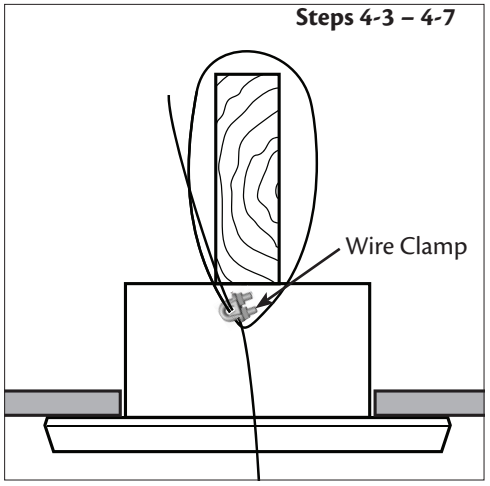
4-6. Close the clamp by securely tightening the nuts.

4-7. Coil up the excess cable.

4-8. Return to the fan so you can complete the fan wiring.







5 •Wiring the Fan

All wiring must be in accordance with national and local electrical codes and ANSI/NFPA 70. If you are unfamiliar with wiring, use a qualified electrician.

Wall switches are not included. Select an acceptable general-use switch in accordance with national and local electrical codes.

5-1. Before attempting installation, make sure the power is still off.

5-2. To connect the wires, hold the bare metal leads together and place a wire connector over them, then twist clockwise until tight. For all these connections use the wire connectors provided.

5-3. Connect the bare or green ground wire (grounding) from the ceiling to the green ground wire (grounding) from the ceiling plate and the green ground wire (grounding) from the fan, or the green ground wire on the low profile washer if you chose the low profile option.

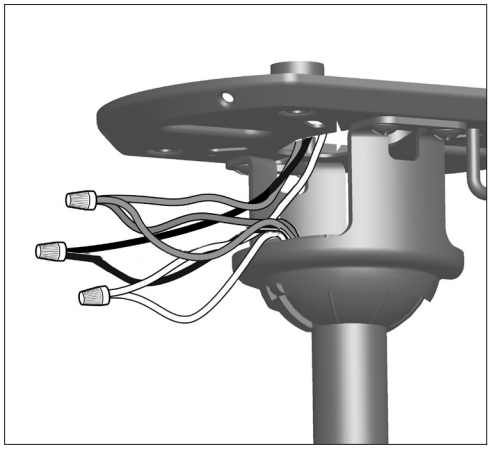
5-4. Connect the white wire (grounded) from the ceiling to the white wire (grounded) from the fan.

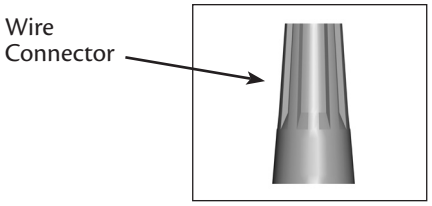
5-5. Connect the black wire (ungrounded) from the ceiling to the black (ungrounded) and the black wire with a white stripe (ungrounded) from the fan .

> ⚠ **CAUTION:** Be sure no bare wire or wire strands are visible after making connections.

5-6. Turn the wire connectors upward and push them carefully back through the ceiling plate into the outlet box.

5-7. Spread the wires apart, with the grounded wires on one side of the outlet box and the ungrounded wires on the other side of the outlet box.





6 • Installing the Canopy and Canopy Trim Ring

6-1. Partially install two canopy screws (about 2 full turns) in the hanger bracket.

6-2. Raise the canopy over the hanger bracket. Align partially installed screws with key slots in canopy.

6-3. Twist canopy clockwise to secure.

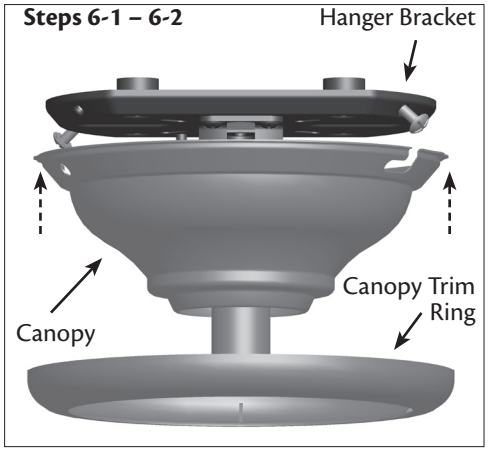
6-4. Install third & fourth canopy screw in round hole on canopy. Securely tighten all four screws.

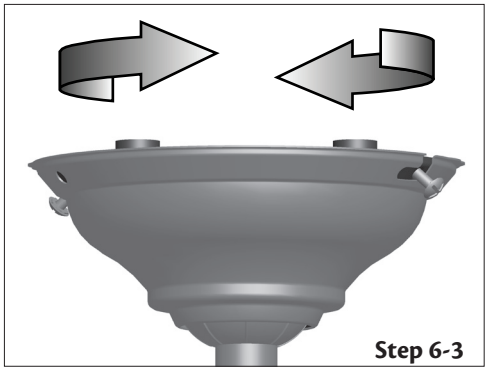
6-5. Using both hands, push the canopy trim ring up to the top of the canopy.

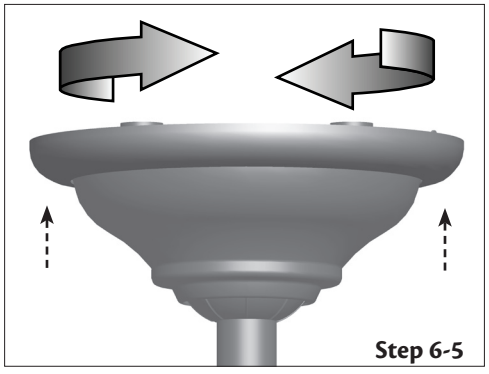
6-6. Twist canopy trim ring clockwise to secure the canopy.

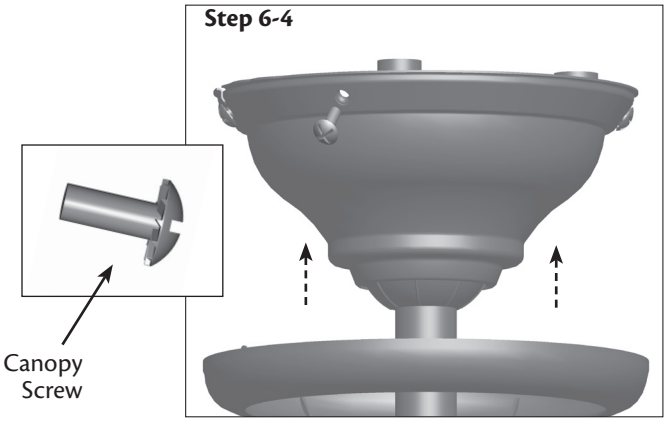
Should you need to remove the canopy trim ring:

1. Twist canopy trim ring counter clockwise until it releases from canopy.









7 • Assembling the Blades

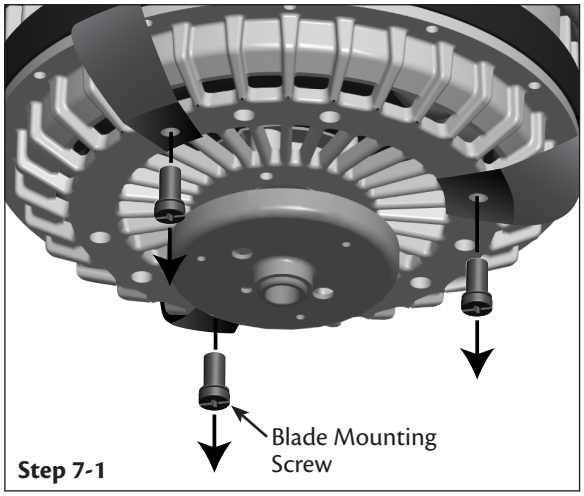
You have the option of installing three blades or six blades on your fan. Install one blade iron for three blades and two blade irons for six.

7-1. Remove the blade mounting screws and rubber shipping bumpers from the motor.

7-2. Attach a blade iron to the fan with three blade mounting screws. The blade mounting screws should be installed inside the holes in the centers of the three arms of the blade iron.

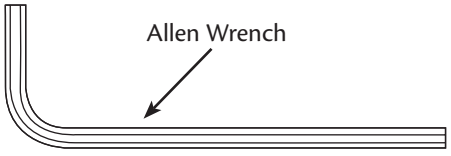
7-3. *If you want to install six blades instead of three*, install the second blade iron using three blade mounting screws.

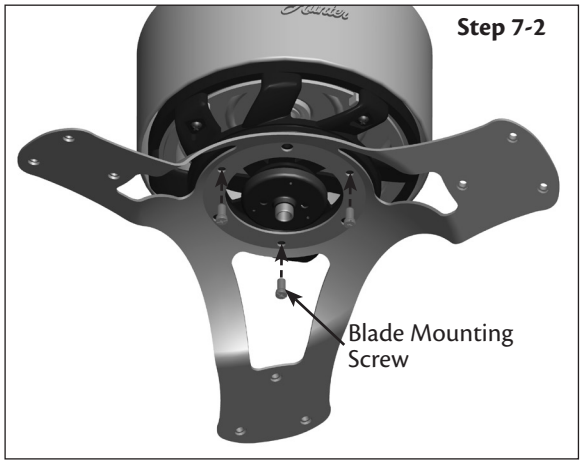
7-4. Using the provided Allen wrench, attach each blade to the blade iron(s) using three decorative screws as shown.



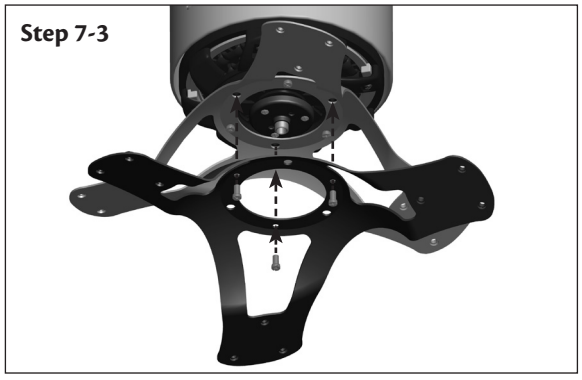
Step 7-1

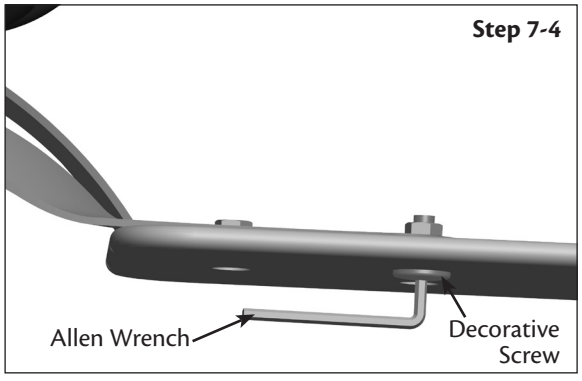
Note: The blades on this fan have been treated with Hunter's Dust Armor protection, making the blades less likely to attract dust and dirt. Use a dry or slightly damp lint free cloth to clean the blades. Do not use a furniture polish or any other cleaners that leave any residue, as they will damage the protective Dust Armor on the blades.





Step 7-2


Step 7-3



Step 7-4

8 • Installing the Switch Housing

8-1. To attach the upper switch housing, partially install #6-32 machine screws into the switch housing mounting plate.

8-2. Align the keyhole slots in the housing with the machine screws.

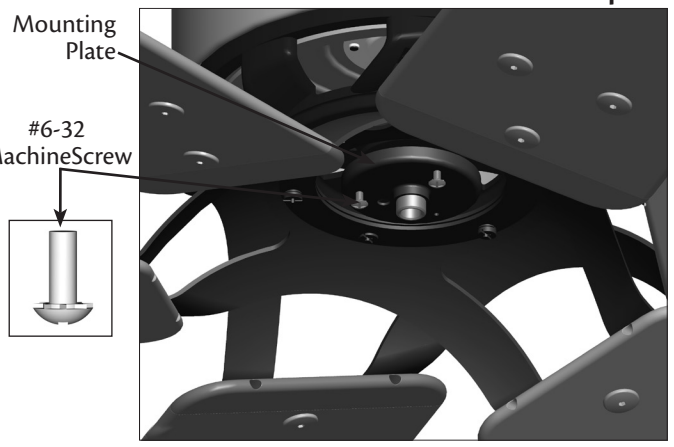
8-3. Turn the housing counterclockwise until the machine assembly screws are firmly situated in the narrow end of the keyhole slots. Install the remaining screw into the housing. Tighten all three screws firmly.

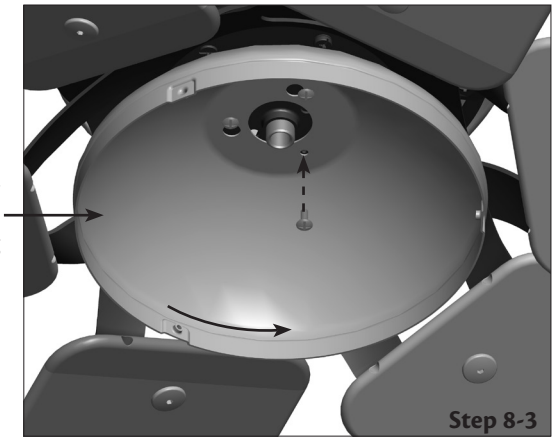
> ⚠ **CAUTION:** Make sure the upper switch housing is securely attached to the switch housing mounting plate. Failure to properly attach and tighten all three assembly screws could result in the switch housing fixture falling.

8-4. Place the lower switch housing assembly over the upper switch housing. Align the side screw holes in the upper and lower switch housings. Attach the lower switch housing to the upper switch housing with three housing assembly screws.

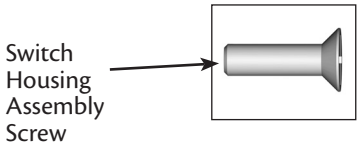
Note: This fan is not compatible with any light kit.

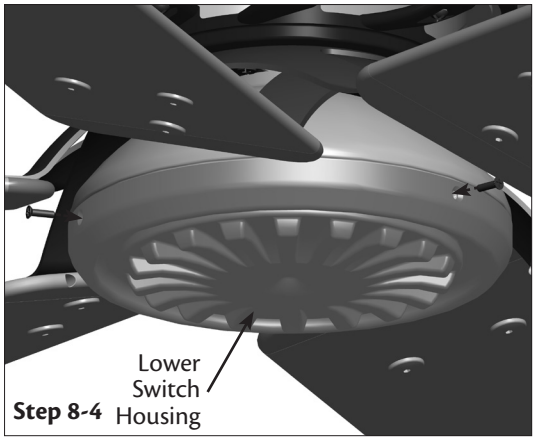
Step 8-1





Step 8-3





Step 8-4

9 • Assembling the Remote Control and Mounting the Cradle

After removing the control from the box, shut off power to the room you will be working in at the breaker box.

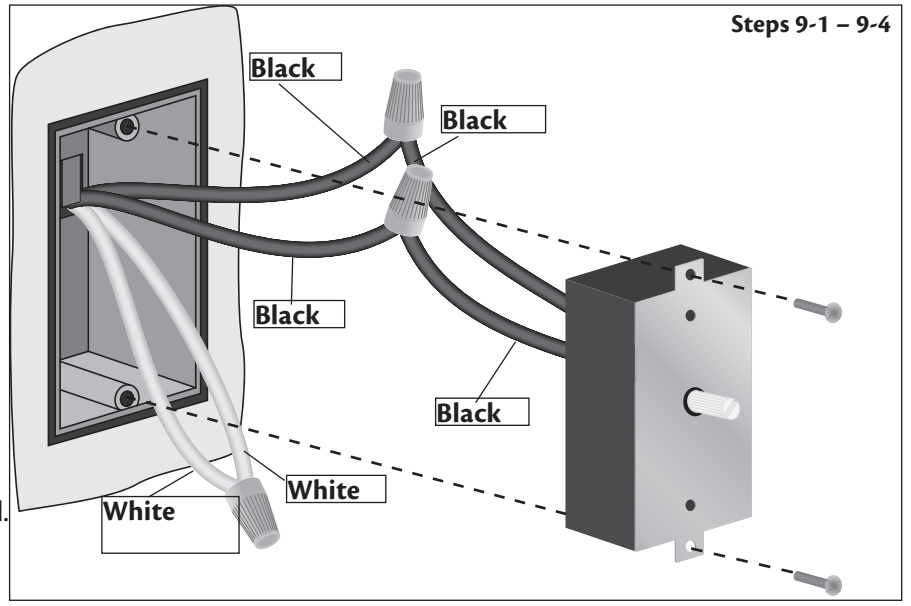
Caution: Do not restore power until all work is complete.

9-1. Pull the knob off of the speed control unit and remove your existing switch from the switch box.

9-2. Connect each black lead from the speed control to a black lead from the switch box with a wire connector.

Note: If two white wires are present in your switch box, connect them to each other if not already and secure with a wire connector.

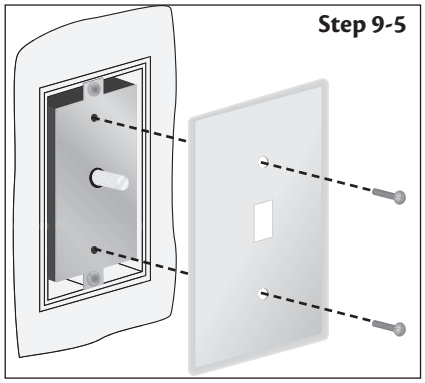
9-3. Carefully tuck the wires back into the switch box and slide the back of the speed control into the switch box as well.

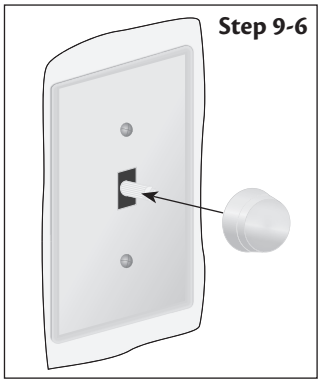


9-4. Line the two screw holes on the control's metal tabs with those on the switch box and attach using the two flat head screws that came with the switch box.

9-5. Mount the faceplate (not included) to the control with two #6-32 screws that you removed earlier from the faceplate.

9-6. Attach the knob onto the post on the speed control and turn to the left for the OFF position.





10 • Operating and Cleaning Your Ceiling Fan

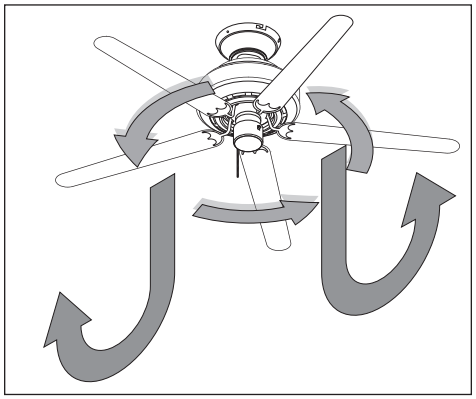
10-1. Turn on electrical power to the fan.

10-2. The knob on the wall control unit controls power to the fan. The fan has three speed settings in sequence: High, Low and Off.

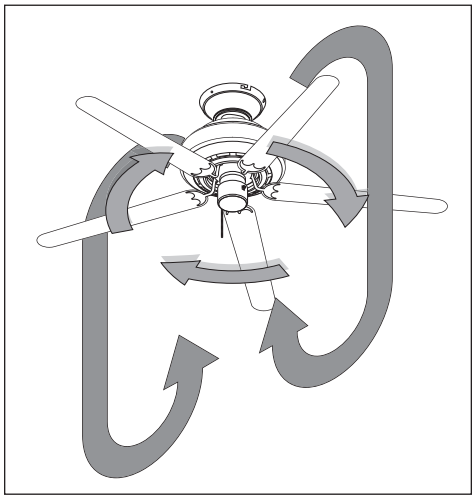
10-3. Ceiling fans work best by blowing air downward (counterclockwise blade rotation) in warm weather to cool the room with a direct breeze. In winter, having the fan draw air upward (clockwise blade rotation) will distribute the warmer air trapped at the ceiling around the room without causing a draft.

10-4. The blades on this fan have been treated with Hunter's Dust Armor protection, making the blades less likely to attract dust and dirt. Use a dry or slightly damp lint free cloth to clean the blades. Do not use a furniture polish or any other cleaners that leave any residue, as they will damage the protective Dust Armor on the blades.

10-5. For cleaning finishes, use a soft brush or lint-free cloth to prevent scratching. A vacuum cleaner brush nozzle can remove heavier dust. Remove surface smudges or accumulated dirt and dust using a mild detergent and a slightly dampened cloth. You may use an artistic agent, but never abrasive cleaning agents as they will damage the finish.



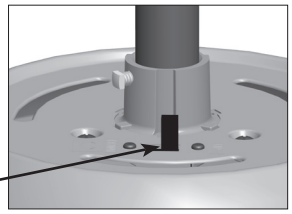
In warm weather, use downward air flow pattern



In cold weather, use upward air flow pattern

To Change Airflow Direction

Turn the fan off and let it come to a complete stop. Slide the reversing switch on the fan to the opposite position. Restart fan.



11 • Troubleshooting

Problem: Nothing happens; fan does not move.

1. Turn power on, replace fuse, or reset breaker.
2. Loosen canopy, check all connections according to the wiring the fan section.
3. Remove the shipping bumpers.

Problem: Noisy operation.

1. Tighten the blade assembly screws and blade iron armature screws until snug.
2. Check to see if the blade is cracked. If so, replace all the blades.

Problem: Excessive wobbling.

1. If your fan wobbles when operating, use the enclosed balancing kit and instructions to balance the fan.
2. Tighten all blade iron screws.
3. Turn power off, support fan very carefully, and check that the hanger ball is properly seated.

If you need parts or service assistance, please call 888-830-1326 (In Canada, call 1-866-268-1936) or visit us at our website at http://www.hunterfan.com.

Hunter Fan Company
7130 Goodlett Farms Pkwy. #400
Memphis, Tennessee 38016